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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: :

SHIRLEY LONGACRE-ANDRE ET AL : EXAMINER: GRUN

SERIAL NO: 09/134,333 :

FILED: AUGUST 14, 1998

CPA FILED: JUNE 20, 2001 : GROUP ART UNIT: 1641

FOR: RECOMBINANT PROTEIN :
CONTAINING A C-TERMINAL
FRAGMENT OF PLASMODIUM
MSP-1

AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

In response to the Official Action dated March 20, 2002, Applicants request reconsideration in light of the following amendments and remarks.

IN THE SPECIFICATION

Page 4, please delete the first full paragraph and replace it with the following new paragraph:

--In any event, what the real vaccination rate would be which could possibly be obtained with such recombinant proteins is also questionable, bearing in mind the discovery- reported below- of the presence in p42s from *Plasmodiums* of the same species, and more particularly in the corresponding p33s of hypervariable regions which would in many cases render uncertain the immunoprotective efficacy of antibodies induced in individuals vaccinated with a p42 from a *Plasmodium strain* against an infection by other strains of the